

Seasonal variability of diet and trophic level of the gelatinous predator *Pelagia noctiluca* (Scyphozoa)

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	Sep	Nov	dec	Feb	Apr	may	Jun	Jul
Copepods	435.0	247.3	1258.7	419.0	165.7	486.6	709.9	291.6
Cladocerans	10.5	1.2	0.0	0.0	0.0	46.5	56.7	90.6
Appendicularians	8.4	16.1	23.2	11.2	10.3	73.2	9.2	30.8
Chaetognaths	3.0	13.0	18.5	32.8	1.1	3.5	34.0	8.8
Ostracods	10.5	7.2	48.9	10.5	8.6	4.7	2.8	0.6
Siphonophores	2.4	7.6	5.4	15.8	1.6	7.3	11.5	14.9
Pteropods	1.3	2.5	20.3	3.5	0.4	0.0	3.9	11.4
Hydromedusae	0.4	1.9	2.1	6.0	0.9	3.0	0.8	1.8
Furcilia	1.1	0.8	0.9	3.9	0.2	0.7	0.6	1.2
Fish eggs	0.5	0.1	0.1	0.3	0.2	0.2	6.7	2.2
Fish larvae	0.9	0.0	0.0	0.3	0.1	0.2	0.6	1.0
Others	3.8	8.3	7.6	16.9	11.1	8.0	3.6	9.3

SM1. Prey abundance (number m<sup>-3</sup>)

	Somatic tissue				Gonadic tissue			
	female		male		female		male	
	mean	SE	mean	SE	mean	SE	mean	SE
Lauric Acid Methyl Ester (C12:0)	0.14	0.09	0.22	0.10	0.07	0.05	0.09	0.07
Tridecanoic Acid Methyl Ester (C13:0)	0.14	0.08	0.22	0.09	0.04	0.03	0.08	0.05
Myristoleic Acid Methyl Ester (C14:1)	0.06	0.05	0.18	0.08	0.01	0.02	0.02	0.02
Myristic Acid Methyl Ester (C14:0)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
cis-10-Pentadecanoic Acid Methyl Ester (C15:1)	0.01	0.01	0.04	0.02	0.00	0.01	0.00	0.00
Pentadecanoic Acid Methyl Ester (C15:0)	0.92	0.25	1.52	0.28	0.89	0.20	0.76	0.19
Palmitoleic Acid Methyl Ester (C16:1 n-7)	1.01	0.21	1.44	0.23	1.25	0.29	1.10	0.17
Palmitic Acid Methyl Ester (C16:0)	12.42	0.78	25.63	0.95	17.19	0.83	15.14	0.78
cis-10-Heptadecanoic Acid Methyl Ester (C17:1)	0.02	0.04	0.00	0.01	0.05	0.04	0.01	0.02
Heptadecanoic Acid Methyl Ester (C17:0)	2.00	0.37	3.24	0.40	2.70	0.23	2.18	0.35
γ-Linolenic Acid Methyl Ester (C18:3n6)	0.17	0.11	0.17	0.10	0.15	0.08	0.10	0.06
stearidonic acid (SDA) (C18:4n3)	2.43	0.35	2.10	0.27	2.86	0.33	2.18	0.21
Linolelaidic Acid Methyl Ester (C18:2 n6t)	1.65	0.25	2.20	0.24	1.66	0.20	1.65	0.14
Linolenic Acid Methyl Ester (C18:3n3)	0.59	0.18	0.38	0.16	0.72	0.19	0.54	0.09
Elaidic Acid Methyl Ester (C18:1n9t)	3.94	0.51	7.88	0.61	3.08	0.30	3.40	0.24
Linoleic Acid Methyl Ester (C18:2n6c)	0.24	0.14	1.38	0.23	0.24	0.14	0.14	0.06
Oleic Acid Methyl Ester (C18:1n9c)	3.15	0.43	4.38	0.57	2.33	0.28	2.54	0.30
Stearic Acid Methyl Ester (C18:0)	6.03	0.57	10.05	0.79	5.73	0.37	3.46	0.26
cis-5,8,11,14,17-Eicosapentaenoic Acid Methyl Ester (C20:5n3)	14.60	0.80	10.09	0.81	7.34	0.67	6.58	0.32
Arachidonic Acid Methyl Ester (C20:4n6)	18.50	0.85	8.95	0.73	21.19	0.69	25.25	0.36
cis-11,14,17-Eicosatrienoic Acid Methyl Ester (C20:3n3)	0.70	0.18	0.26	0.14	3.58	0.52	0.97	0.19
cis-11,14-Eicosadienoic Acid Methyl Ester (C20:2)	0.44	0.13	0.43	0.15	0.36	0.10	0.48	0.09
cis-11-Eicosenoic Acid Methyl Ester (C20:1)	0.39	0.13	0.66	0.18	0.28	0.10	0.37	0.12
Arachidic Acid Methyl Ester (C20:0)	0.24	0.11	0.49	0.17	0.22	0.06	0.11	0.06
Heneicosanoic Acid Methyl Ester (C21:0)	0.43	0.16	0.45	0.13	0.12	0.07	0.04	0.04
cis-4,7,10,13,16,19-Docosahexaenoic Acid Methyl Ester (C22:6n3)	9.72	0.80	5.55	0.67	13.16	0.73	17.13	0.76
docosatetraenoic acid (22:4n-6)	3.98	0.45	2.39	0.31	3.75	0.38	2.70	0.24
docosapentaenoic acid (DPA) (22:5, n-3)	5.12	0.43	2.68	0.48	4.82	0.42	6.64	0.31
cis-13,16-Docosadienoic Acid Methyl Ester (C22:2)	0.34	0.18	0.32	0.15	0.30	0.12	0.09	0.05
Erucic Acid Methyl Ester (C22:1n9)	0.60	0.19	1.37	0.25	0.17	0.06	0.18	0.10
Behenic Acid Methyl Ester (C22:0)	0.90	0.29	0.96	0.28	0.04	0.05	0.03	0.02
Tricosanoic Acid Methyl Ester (C23:0)	0.41	0.16	0.31	0.12	0.10	0.05	0.05	0.04
Tetracosatetraenoic acid (C24:4n-6)	2.37	0.47	1.11	0.26	1.10	0.19	1.00	0.12
Tetracosapentaenoic acid (C24:5n-3)	5.34	0.50	1.99	0.39	3.85	0.40	4.66	0.37
Nervonic Acid Methyl Ester (C24:1)	0.43	0.18	0.66	0.21	0.53	0.16	0.30	0.09
Lignoceric Acid Methyl Ester (C24:0)	0.58	0.18	0.29	0.15	0.09	0.06	0.04	0.04

SM2. List of fatty acids encountered in different tissue (µg of total FAs per mg of dry tissue). SE= standard error.